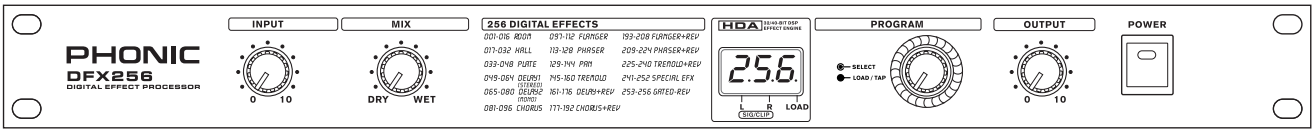
PHONIC

# DFX256

## Digital Effects Processor




ENGLISH

**User's Manual**

# IMPORTANT SAFETY INSTRUCTIONS

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus. The MAINS plug is used as the disconnect device, the disconnect device shall remain readily operable.

**Warning**: the user shall not place this apparatus in the confined area during the operation so that the mains switch can be easily accessible.

1. Read these instructions before operating this apparatus.
2. Keep these instructions for future reference.
3. Heed all warnings to ensure safe operation.
4. Follow all instructions provided in this document.
5. Do not use this apparatus near water or in locations where condensation may occur.
6. Clean only with dry cloth. Do not use aerosol or liquid cleaners. Unplug this apparatus before cleaning.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lighting storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK)
NO USER SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED PERSONNEL

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

**CAUTION:** Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure.

# DFX256

## Digital Effects Processor

USER'S MANUAL

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## INTRODUCTION

Congratulations on your purchase of the Phonic DFX256 digital reverberator. The DFX256 is a high quality and easy-to-use stereo digital reverberator. To take full ad-vantage of the DFX256's functions, and enjoy a longand trouble-free use, please read thisuser's manualcarefully and keep it for future reference.

## FEATURES

- 256 effect programs available
- Programs include reverb, delay, flanger, chorus, tap delay, tremolo, phaser, pan effects and combinations
- 32-40 bit digital signal processing plus 24 bit AD/DA conversions
- True stereo reverb
- Easy-to-read 3-digit LED display
- Compact "1U" rack mount dimensions
- Foot SW Jacks allow the user of a footswitch to mute the effect
- Auto-bypass when power is off.
- Signal and clip LEDs easy setup of the optimum input level
- A professional quality digital reverb designed for musical instruments,recording, and sound reinforcement

## GETTING STARTED

1. Check the AC voltage before connecting the plug. Choose the main supply for the sound system with care. Do not share sockets or earthing with light dimmers.
2. Run audio cables separately from dimmer wiring, using balanced lines wherever possible. If necessary, cross audio and lighting cables at 90° right angles to minimize the possibility of interference. Keep unbalanced cabling as short as possible.
3. Check your cables regularly and label each end for easy identification.
4. Before switching on the main power, keep all output rotary faders all the way down to prevent damage or excessive noise caused by bad level adjustment, wrong wiring, defective cables, or bad connections.
5. Always turn on the DFX256 PRO before the power amplifier; turn off the DFX256 after turning off the amplifier.
6. Always turn off the unit before connecting or disconnecting the unit to the power source.
7. Never use any solvents to clean the unit. Clean it with a soft, dry cloth.

# FRONT-PANEL DESCRIPTION

### 1. INPUT LEVEL CONTROL

The input level control sets the level going into the DFX256. You should set the level so that Peak indicators only flash RED occasionally.

### 2. MIX (DRY / WET) CONTROL

This control sets the balance between the unaffected signal coming through the inputs and the effects being generated by the DFX256 i.e. the balance of wet (effect) and dry (no effect) sounds. By keeping the Mix somewhere in the center, a blend of dry and wet signal can be achieved.

### 3. EFFECT MODES CHART

This chart shows you what 256 effect modes are in the DFX256.

### 4. LED DISPLAY

This 7-segment display indicates the current effect program in Program mode. When the display shows the letter “C” flashing, this means either the right or left input signals are too high and should be reduced.

### 5. PROGRAM SELECT KNOB

Turning this control will allow users to ‘preview’ the different digital effects. Pushing it in will load the preset. If this control is not pushed within a few seconds of changing the effect, the DFX256 will automatically revert back to the previously loaded effect. When this control is held down for a few seconds, the digital effects b will be bypassed. Holding it down again will reactivate the effects. When selecting the Tap Delay effect (T1 - T6), pushing the Program Select control will allow users to adjust the delay time. The time between the final two presses will be calculated and used as the delay time.

### 6. OUTPUT LEVEL CONTROL

This rotary control sets the level going to the amplifier or mixer from the output of the DFX256.

### 7. POWER SWITCH

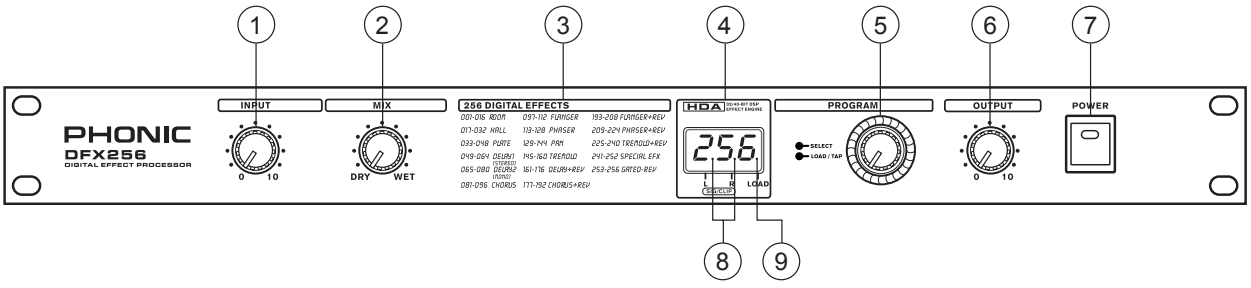
This switch turns the power of the DFX256 on/off. When the power is off, the DFX256 will be in signal bypass position automatically i.e. this feature allows the direct signal to pass through the DFX256 even when the power is not switched on.

### 8. SIGNAL INDICATORS

These 2 small LED indicators, located within the digital effect display, show when either the left or right inputs are receiving a signal (the left LED indicates when the left input is receiving a signal, the right indicates when the right receives a signal). When the LCD display (above these indicators) flashes “C”, the signal in the left or right channel is excessive (ie. clip), and should be reduced to keep the audio’s integrity.

### 9. LOAD INDICATOR

This small LED indicator, located within the digital effect display, will flash when users are previewing different effects (when turning the program select knob). When a new program is loaded, this LED will stop flashing.



## REAR-PANEL DESCRIPTION

**10. AC 10V IN INLET**

The supplied AC Adapter is plugged into this connector.

**11. FOOTSWITCH**

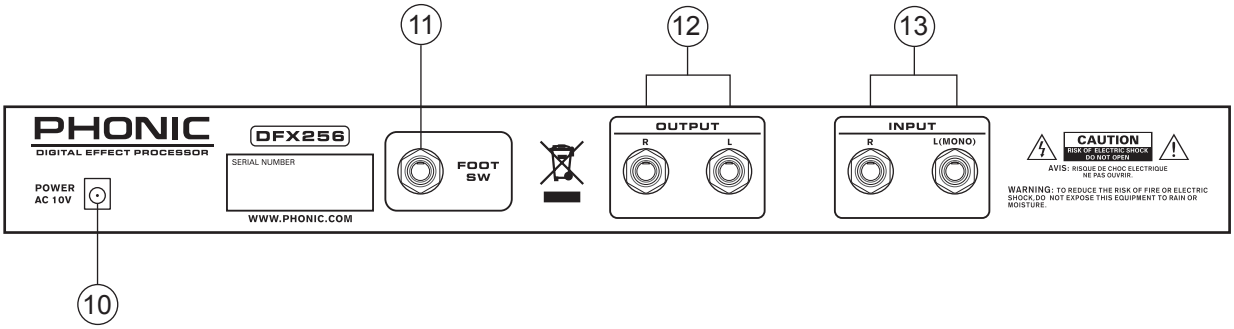
This is a 1/4” stereo phone jack. If a foot switch is connected to this jack, you can use your foot to switch the effect mute on/off (bypass).

**12. OUTPUT (LEFT & RIGHT)**

There are 1/4” phone jacks which connect to devices such as the effects returns on a mixing console or power amplifier inputs.

**13. INPUT (LEFT/MONO & RIGHT)**

There are 1/4” phone jacks which connect to sources such as the effects sends of mixing consoles. For mono application, use the “Left/Mono” input.



# PRESET PROGRAMS

### EFFECT 1: ROOM

| 7 Segment LED Room | ROOM | REV-TIME | PREDELAY | HI-RATIO | HPF | LPF | DRY/WET |
|---|---|---|---|---|---|---|---|
| **1** | 1 | 0.05 | 40 | 0.5 | 80 | 2.5K | 0~100 |
| **2** | 2 | 0.05 | 0 | 0.6 | 0 | 1.8K | 0~100 |
| **3** | 3 | 0.4 | 0 | 0.95 | 382 | 9K | 0~100 |
| **4** | 4 | 0.4 | 0 | 0.93 | 430 | 1.25K | 0~100 |
| **5** | 5 | 0.45 | 5 | 0.95 | 500 | 12.5K | 0~100 |
| **6** | 6 | 0.45 | 30 | 0.9 | 0 | 6.3K | 0~100 |
| **7** | 7 | 0.6 | 0 | 0.9 | 550 | 2.36K | 0~100 |
| **8** | 8 | 0.6 | 6 | 0.92 | 0 | 5.6K | 0~100 |
| **9** | 9 | 0.65 | 22 | 1 | 0 | 19K | 0~100 |
| **10** | 10 | 0.9 | 6 | 0.96 | 0 | 8K | 0~100 |
| **11** | 11 | 1 | 10 | 1 | 500 | 20K | 0~100 |
| **12** | 12 | 1.2 | 15 | 0.98 | 410 | 9.5K | 0~100 |
| **13** | 13 | 1.4 | 60 | 0.98 | 0 | 5.6K | 0~100 |
| **14** | 14 | 1.4 | 0 | 0.96 | 22 | 6.7K | 0~100 |
| **15** | 15 | 1.6 | 22 | 1 | 0 | 10.6K | 0~100 |
| **16** | 16 | 3.85 | 25 | 0.96 | 0 | 4.75K | 0~100 |

### EFFECT 2: HALL

| 7 Segment LED Hall | HALL | REV-TIME | PREDELAY | HI-RATIO | HPF | LPF | DRY/WET |
|---|---|---|---|---|---|---|---|
| **17** | 1 | 0.9 | 0 | 0.9 | 0 | 9K | 0~100 |
| **18** | 2 | 1 | 20 | 0.95 | 26 | 10.6K | 0~100 |
| **19** | 3 | 1.95 | 40 | 0.98 | 0 | 15k | 0~100 |
| **20** | 4 | 1.75 | 48 | 0.98 | 0 | 9.5K | 0~100 |
| **21** | 5 | 1.8 | 20 | 0.83 | 0 | 4.25K | 0~100 |
| **22** | 6 | 1.85 | 40 | 0.95 | 340 | 7.1K | 0~100 |
| **23** | 7 | 1.9 | 30 | 0.98 | 675 | 8.5K | 0~100 |
| **24** | 8 | 2.2 | 25 | 0.99 | 0 | 2.24K | 0~100 |
| **25** | 9 | 2.3 | 100 | 0.7 | 0 | 6.7K | 0~100 |
| **26** | 10 | 2.45 | 30 | 0.95 | 25 | 8.5K | 0~100 |
| **27** | 11 | 2.5 | 40 | 0.8 | 85 | 12.5K | 0~100 |
| **28** | 12 | 2.5 | 0 | 4 | 75 | 3.15K | 0~100 |
| **29** | 13 | 2.7 | 85 | 1 | 40 | 12.5K | 0~100 |
| **30** | 14 | 2.7 | 20 | 0.85 | 0 | 8K | 0~100 |
| **31** | 15 | 2.8 | 40 | 0.97 | 0 | 8.5K | 0~100 |
| **32** | 16 | 3.3 | 75 | 0.85 | 63 | 10K | 0~100 |

**EFFECT 3: PLATE**

| 7 Segment LED Plate | PLATE | REV-TIME | PREDELAY | HI-RATIO | HPF | LPF | DRY/WET |
|---|---|---|---|---|---|---|---|
| **33** | 1 | 0.55 | 0 | 1 | 625 | 20K | 0~100 |
| **34** | 2 | 0.55 | 0 | 1 | 625 | 20K | 0~100 |
| **35** | 3 | 0.75 | 20 | 1 | 0 | 12.5K | 0~100 |
| **36** | 4 | 0.9 | 12 | 0.98 | 0 | 12.5K | 0~100 |
| **37** | 5 | 1 | 10 | 1 | 0 | 10.6K | 0~100 |
| **38** | 6 | 1.2 | 25 | 1 | 20 | 7.1K | 0~100 |
| **39** | 7 | 1.3 | 35 | 1 | 0 | 20K | 0~100 |
| **40** | 8 | 1.8 | 30 | 0.98 | 80 | 12.5K | 0~100 |
| **41** | 9 | 2 | 1 | 1 | 67 | 20K | 0~100 |
| **42** | 10 | 2.25 | 25 | 1 | 42 | 20K | 0~100 |
| **43** | 11 | 2.6 | 180 | 0.97 | 0 | 15K | 0~100 |
| **44** | 12 | 2.75 | 30 | 0.98 | 0 | 4.25K | 0~100 |
| **45** | 13 | 3 | 0 | 1 | 625 | 20K | 0~100 |
| **46** | 14 | 3 | 5 | 0.99 | 0 | 8K | 0~100 |
| **47** | 15 | 3.35 | 1 | 0.98 | 0 | 16K | 0~100 |
| **48** | 16 | 3.8 | 20 | 0.85 | 0 | 1.4K | 0~100 |

**EFFECT 4: DELAY-1 (ST)**

| 7 Segment LED Delay-1(ST) | DELAY-1(stereo) | L-DELAY | R-DELAY | C-DELAY | FB-DELAY |
|---|---|---|---|---|---|
| **49** | 1 | 0.16 | 0.03 | 0.03 | 0.04 |
| **50** | 2 | 0.16 | 0.08 | 0.16 | 0 |
| **51** | 3 | 0.16 | 0.08 | 0 | 0 |
| **52** | 4 | 0.16 | 0 | 0.18 | 0 |
| **53** | 5 | 0.16 | 0 | 0.16 | 0.14 |
| **54** | 6 | 0.16 | 0 | 0.16 | 0.2 |
| **55** | 7 | 0.16 | 0 | 0.16 | 0.21 |
| **56** | 8 | 0.52 | 0.2 | 0.5 | 0.3 |
| **57** | 9 | 0.6 | 0.2 | 0.6 | 0.4 |
| **58** | 10 | 0.6 | 0.2 | 0.6 | 0.4 |
| **59** | 11 | 0.8 | 0.3 | 0.5 | 0.7 |
| **60** | 12 | 0.21 | 0.2 | 0.2 | 0.1 |
| **61** | 13 | 0.14 | 0.05 | 0.16 | 0.16 |
| **62** | 14 | 0.25 | 0.05 | 0 | 0.5 |
| **63** | 15 | 0.03 | 0.06 | 0.06 | 0.05 |
| **64** | 16 | 0.3 | 0.06 | 0 | 0.6 |

**EFFECT 5: DEALY-2 (MONO)**

| 7 Segment LED Delay-2(MONO) | DELAY-2(mono) | L-DELAY | R-DELAY | C-DELAY | FB-DELAY |
|---|---|---|---|---|---|
| **65** | 1 | 0 | 0 | 0.5 | 0.3 |
| **66** | 2 | 0 | 0 | 0.5 | 0.3 |
| **67** | 3 | 0 | 0 | 0.15 | 0.1 |
| **68** | 4 | 0 | 0 | 0.15 | 0.03 |
| **69** | 5 | 0 | 0 | 0.15 | 0.15 |
| **70** | 6 | 0 | 0 | 0.2 | 0.3 |
| **71** | 7 | 0 | 0 | 0.2 | 0.2 |
| **72** | 8 | 0 | 0 | 0.4 | 0.4 |
| **73** | 9 | 0 | 0 | 0 | 0.3 |
| **74** | 10 | 0 | 0 | 0 | 0.4 |
| **75** | 11 | 0 | 0 | 0 | 0.4 |
| **76** | 12 | 0 | 0 | 0 | 0.55 |
| **77** | 13 | 0 | 0 | 1.2 | 1 |
| **78** | 14 | 0 | 0 | 1.2 | 1.2 |
| **79** | 15 | 0 | 0 | 0.5 | 1 |
| **80** | 16 | 0 | 0 | 0.15 | 0.4 |

**EFFECT 6: CHORUS**

| 7 Segment LED Chorus | CHORUS | LFO | PER-DELAY | PHASE | LPF |
|---|---|---|---|---|---|
| **81** | 1 | 0.3 | 2 | 180 | 7.1K |
| **82** | 2 | 0.8 | 5 | 180 | 6K |
| **83** | 3 | 1.2 | 20 | 0 | 8K |
| **84** | 4 | 1.8 | 1 | 0 | 6.3K |
| **85** | 5 | 2.2 | 60 | 180 | 10K |
| **86** | 6 | 3.6 | 15 | 180 | 500 |
| **87** | 7 | 3.2 | 30 | 180 | 8K |
| **88** | 8 | 4 | 90 | 0 | 1.25K |
| **89** | 9 | 5.6 | 120 | 180 | 10K |
| **90** | 10 | 6.4 | 200 | 0 | 1K |
| **91** | 11 | 7.5 | 88 | 180 | 10K |
| **92** | 12 | 7.8 | 80 | 180 | 500 |
| **93** | 13 | 8.4 | 50 | 0 | 10K |
| **94** | 14 | 8.8 | 10 | 180 | 850 |
| **95** | 15 | 9.2 | 5 | 0 | 10K |
| **96** | 16 | 10 | 115 | 180 | 10K |

**EFFECT 7: FLANGER**

| 7 Segment LED Flanger | FLANGER | LFO | PER-DELAY | PHASE |
|---|---|---|---|---|
| 97 | 1 | 0.1 | 2 | 180 |
| 98 | 2 | 0.3 | 6 | 0 |
| 99 | 3 | 0.6 | 10 | 180 |
| 100 | 4 | 0.7 | 15 | 180 |
| 101 | 5 | 1 | 1 | 180 |
| 102 | 6 | 1 | 10 | 180 |
| 103 | 7 | 1.6 | 20 | 180 |
| 104 | 8 | 1.6 | 20 | 180 |
| 105 | 9 | 2 | 1 | 180 |
| 106 | 10 | 2 | 2 | 180 |
| 107 | 11 | 2 | 2 | 180 |
| 108 | 12 | 2.6 | 2 | 180 |
| 109 | 13 | 2.8 | 6 | 180 |
| 110 | 14 | 2.8 | 4 | 180 |
| 111 | 15 | 4.6 | 2 | 180 |
| 112 | 16 | 4.6 | 4 | 180 |

**EFFECT 8: PHASER**

| 7 Segment LED Phaser | PHASER | LFO | DELAY | PHASE |
|---|---|---|---|---|
| 113 | 1 | 0.1 | 3.5 | 180 |
| 114 | 2 | 0.4 | 0.6 | 90 |
| 115 | 3 | 0.8 | 3.2 | 180 |
| 116 | 4 | 1.4 | 0.6 | 180 |
| 117 | 5 | 2.2 | 1.6 | 180 |
| 118 | 6 | 2.6 | 4 | 180 |
| 119 | 7 | 3.3 | 1 | 180 |
| 120 | 8 | 4 | 2.8 | 180 |
| 121 | 9 | 4.8 | 1 | 180 |
| 122 | 10 | 5.2 | 0.1 | 180 |
| 123 | 11 | 5.8 | 0.8 | 180 |
| 124 | 12 | 6 | 1.2 | 90 |
| 125 | 13 | 6 | 3.2 | 180 |
| 126 | 14 | 7.2 | 5 | 180 |
| 127 | 15 | 7.8 | 2.6 | 180 |
| 128 | 16 | 10 | 5 | 180 |

**EFFECT 9: PAN**

| 7 Segment LED Pan | PAN | SPEED | DEPTH | TYPE |
|---|---|---|---|---|
| **129** | 1 | 0.1 | 100 | L-->R |
| **130** | 2 | 0.4 | 100 | L-->R |
| **131** | 3 | 0.8 | 100 | L-->R |
| **132** | 4 | 1.2 | 100 | L-->R |
| **133** | 5 | 0.1 | 100 | R-->L |
| **134** | 6 | 0.4 | 100 | R-->L |
| **135** | 7 | 0.8 | 100 | R-->L |
| **136** | 8 | 1.2 | 100 | R-->L |
| **137** | 9 | 0.1 | 100 | R<-->L |
| **138** | 10 | 0.4 | 100 | R<-->L |
| **139** | 11 | 0.8 | 100 | R<-->L |
| **140** | 12 | 1.2 | 100 | R<-->L |
| **141** | 13 | 1.8 | 100 | L-->R |
| **142** | 14 | 1.8 | 100 | R-->L |
| **143** | 15 | 1.8 | 100 | R<-->L |
| **144** | 16 | 3.4 | 100 | R<-->L |

**EFFECT 10: TREMOLO**

| 7 Segment LED Tremolo | TREMOLO | SPEED | DEPTH |
|---|---|---|---|
| **145** | 1 | 0.5 | 100 |
| **146** | 2 | 0.8 | 100 |
| **147** | 3 | 1 | 100 |
| **148** | 4 | 1.2 | 100 |
| **149** | 5 | 1.6 | 100 |
| **150** | 6 | 2 | 100 |
| **151** | 7 | 2.4 | 100 |
| **152** | 8 | 3 | 100 |
| **153** | 9 | 3.4 | 100 |
| **154** | 10 | 4 | 100 |
| **155** | 11 | 4.4 | 100 |
| **156** | 12 | 5.2 | 100 |
| **157** | 13 | 6 | 100 |
| **158** | 14 | 6.6 | 100 |
| **159** | 15 | 8 | 100 |
| **160** | 16 | 10 | 100 |

**EFFECT 11: DELAY + REV**

| 7 Segment LED Delay+Rev | DELAY+REV | DELAY-1 | REV |
|---|---|---|---|
| **161** | 1 | 1 | ROOM1 |
| **162** | 2 | 2 | ROOM7 |
| **163** | 3 | 3 | ROOM11 |
| **164** | 4 | 4 | ROOM12 |
| **165** | 5 | 5 | ROOM14 |
| **166** | 6 | 6 | ROOM15 |
| **167** | 7 | 7 | HALL1 |
| **168** | 8 | 8 | HALL3 |
| **169** | 9 | 9 | HALL6 |
| **170** | 10 | 10 | HALL11 |
| **171** | 11 | 11 | HALL15 |
| **172** | 12 | 12 | HALL16 |
| **173** | 13 | 13 | PLAT1 |
| **174** | 14 | 14 | PLAT3 |
| **175** | 15 | 15 | PLAT6 |
| **176** | 16 | 16 | PLAT12 |

**EFFECT 12: CHORUS + REV**

| 7 Segment LED Chorus+Rev | CHORUS+REV | CHORUS | REV |
|---|---|---|---|
| **177** | 1 | 1 | ROOM1 |
| **178** | 2 | 2 | ROOM7 |
| **179** | 3 | 3 | ROOM11 |
| **180** | 4 | 4 | ROOM12 |
| **181** | 5 | 5 | ROOM14 |
| **182** | 6 | 6 | ROOM15 |
| **183** | 7 | 7 | HALL1 |
| **184** | 8 | 8 | HALL3 |
| **185** | 9 | 9 | HALL6 |
| **186** | 10 | 10 | HALL11 |
| **187** | 11 | 11 | HALL15 |
| **188** | 12 | 12 | HALL16 |
| **189** | 13 | 13 | PLAT1 |
| **190** | 14 | 14 | PLAT3 |
| **191** | 15 | 15 | PLAT6 |
| **192** | 16 | 16 | PLAT12 |

**EFFECT 13: FLANGER + REV**

| 7 Segment LED Flanger+Rev | FLANGER+REV | FLANGER | REV |
|---|---|---|---|
| **193** | 1 | 1 | ROOM1 |
| **194** | 2 | 2 | ROOM7 |
| **195** | 3 | 3 | ROOM11 |
| **196** | 4 | 4 | ROOM12 |
| **197** | 5 | 5 | ROOM14 |
| **198** | 6 | 6 | ROOM15 |
| **199** | 7 | 7 | HALL1 |
| **200** | 8 | 8 | HALL3 |
| **201** | 9 | 9 | HALL6 |
| **202** | 10 | 10 | HALL11 |
| **203** | 11 | 11 | HALL15 |
| **204** | 12 | 12 | HALL16 |
| **205** | 13 | 13 | PLAT1 |
| **206** | 14 | 14 | PLAT3 |
| **207** | 15 | 15 | PLAT6 |
| **208** | 16 | 16 | PLAT12 |

**EFFECT 14: PHASER + REV**

| 7 Segment LED Phaser+Rev | PHASER+REV | PHASER | REV |
|---|---|---|---|
| **209** | 1 | 1 | ROOM1 |
| **210** | 2 | 2 | ROOM7 |
| **211** | 3 | 3 | ROOM11 |
| **212** | 4 | 4 | ROOM12 |
| **213** | 5 | 5 | ROOM14 |
| **214** | 6 | 6 | ROOM15 |
| **215** | 7 | 7 | HALL1 |
| **216** | 8 | 8 | HALL3 |
| **217** | 9 | 9 | HALL6 |
| **218** | 10 | 10 | HALL11 |
| **219** | 11 | 11 | HALL15 |
| **220** | 12 | 12 | HALL16 |
| **221** | 13 | 13 | PLAT1 |
| **222** | 14 | 14 | PLAT3 |
| **223** | 15 | 15 | PLAT6 |
| **224** | 16 | 16 | PLAT12 |

**EFFECT 15: TREMOLO + REV**

| 7 Segment LED Tremolo+Rev | TREMOLO+REV | REV | TREMOLO |
|---|---|---|---|
| **225** | 1 | ROOM1 | 1 |
| **226** | 2 | ROOM7 | 2 |
| **227** | 3 | ROOM11 | 3 |
| **228** | 4 | ROOM12 | 4 |
| **229** | 5 | ROOM14 | 5 |
| **230** | 6 | ROOM15 | 6 |
| **231** | 7 | HALL1 | 7 |
| **232** | 8 | HALL3 | 8 |
| **233** | 9 | HALL6 | 9 |
| **234** | 10 | HALL11 | 10 |
| **235** | 11 | HALL15 | 11 |
| **236** | 12 | HALL16 | 12 |
| **237** | 13 | PLATE 1 | 13 |
| **238** | 14 | PLATE 3 | 14 |
| **239** | 15 | PLATE 6 | 15 |
| **240** | 16 | PLATE 12 | 16 |

**EFFECT 16: SPECIAL EFX**

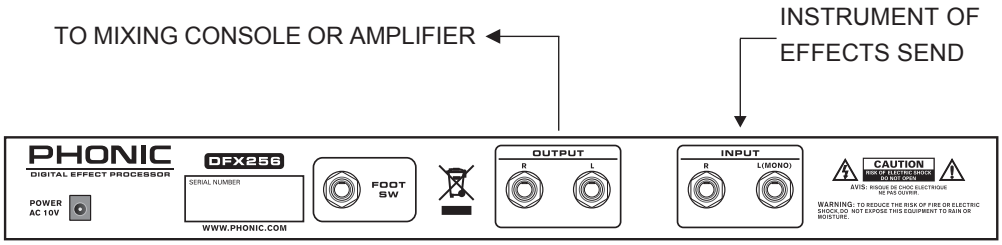
| 7 Segment LED Special efx | SPECIAL EFX | | |
|---|---|---|---|
| **241** | 1 | DELAY-1-1 | FLANGE-3 |
| **242** | 2 | DELAY-1-1 | CHORUS-4 |
| **243** | 3 | DELAY-1-1 | PHASER-7 |
| **244** | 4 | CHORUS-2 | FLANGE-1 |
| **245** | 5 | CHORUS-5 | PHASER-10 |
| **246** | 6 | TREMOLO-6 | FLANGE-11 |
| **247** | 7 | TREMOLO-12 | CHORUS-4 |
| **248** | 8 | PHASER-5 | FLANGE-9 |
| **249** | 9 | PHASER-5 | TREMOLO-12 |
| **250** | 10 | FLANGE-1 | TREMOLO-6 |
| **251** | 11 | PHASER-7 | PAN-2 |
| **252** | 12 | PAN-2 | FLANGE-3 |

**EFFECT 17: GATED + REV**

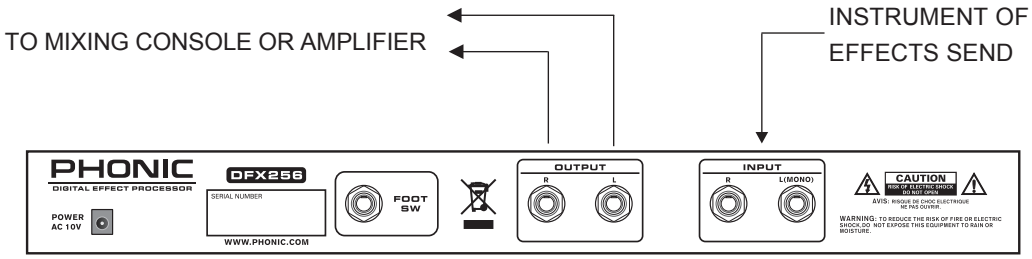
| 7 Segment LED Gated+Rev | GATED-REV | THRESHOLD | ATTACK | RELEASE | REV |
|---|---|---|---|---|---|
| **253** | 1 | -20 | 0 | 0.02 | PLAT-1 |
| **254** | 2 | -20 | 0 | 0.5 | PLAT-8 |
| **255** | 3 | -20 | 0 | 0.1 | HALL-15 |
| **256** | 4 | -20 | 200 | 0.01 | HALL-16 |

## SAMPLE CONNECTIONS

**ONE MONO CORD IN, ONE MONO CORD OUT** (to an amplification system or mixer input)

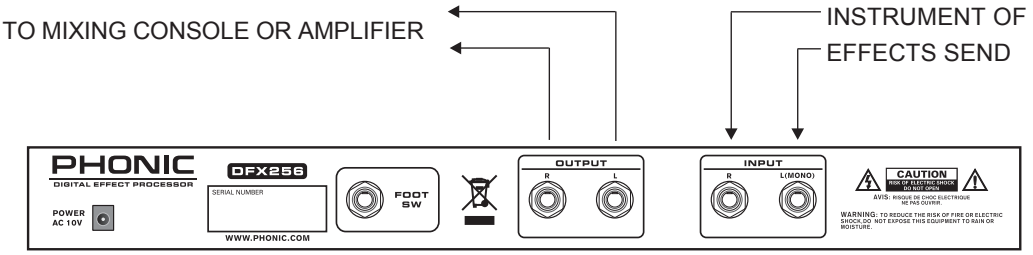



**ONE MONO CORD IN, TWO MONO CORDS OUT** (to a stereo amplifier or two mixer inputs)




**TWO MONO CORDS IN AND OUT** (to a stereo amplifier or two mixer inputs)

This can be stereo signal in/out or mono signal in/out.



## SPECIFICATIONS

| | DFX256 |
|---|---|
| **Frequency Response** | 20Hz ~ 20kHz |
| **Dynamic Range** | 90dB |
| **AD/DA** | 24-bit |
| **DSP processing** | 32~40-bit |
| **Sampling rate** | 44.1kHz |
| **Maximum Input Level** | 0dB |
| **Residual Noise** | < -80dB (20Hz ~ 20kHz) |
| **T.H.D.** | < .05% (typical) |
| **Input** | |
| Number of Channel: | 2 (phone jack) |
| Nominal Level: | -20dB |
| Impedance: | 20k ohms (mono: 10k ohms) |
| **Output** | |
| Number of Channel: | 2 (phone jack) |
| Nominal Level: | -20dB |
| Impedance: | 600 ohms |
| **Effect Programs** | ROOM<br>HALL<br>PLATE<br>DELAY-1(stereo)<br>DELAY-2(mono)<br>CHORUS<br>FLANGER<br>PHASER<br>PAN<br>TREMOLO<br>DELAY+REV<br>CHORUS+REV<br>FLANGER+REV<br>PHASER+REV<br>TREMOLO+REV<br>SPECIAL EFX<br>GATED-REV<br>TAP DELAY |
| **Front Panel Controls** | Input level, Mix-dry/wet, Program select, Output level, Power Sw. |
| **Real Panel Jack** | 2 Input phone jacks, 2 Output phone jacks, foot Sw- phone jack, DC jack |
| **Dimensions (WxHxD)** | 19"x1.75"x4.2" / 483 x 44 x 107mm (1U) |
| **Net Weight** | 2.64 lbs / 1.2 kg |

The specifications are subject to change without notice.

## TO PURCHASE ADDITIONAL PHONIC GEAR AND ACCESSORIES

To purchase Phonic gear and optional accessories, contact any authorized Phonic distributor. For a list of Phonic distributors please visit our website at www.phonic.com and click on Get Gear. You may also contact Phonic directly and we will assist you in locating a distributor near you.

## SERVICE AND REPAIR

Phonic has over 100 service centers worldwide. For replacement parts, service and repairs please contact the Phonic distributor in your country. Phonic does not release service manuals to consumers, and advice users to not attempt any self repairs, as doing so voids all warranties. You can locate a dealer near you at www.phonic.com.

## WARRANTY INFORMATION

Phonic stands behind every product we make with a no-hassles warranty. Warranty coverage may be extended, depending on your region. Phonic Corporation warrants this product for a minimum of one year from the original date of purchase against defects in material and workmanship under use as instructed by the user's manual. Phonic, at its option, shall repair or replace the defective unit covered by this warranty. Please retain the dated sales receipt as evidence of the date of purchase. You will need it for any warranty service. No returns or repairs will be accepted without a proper RMA number (return merchandise authorization). In order to keep this warranty in effect, the product must have been handled and used as prescribed in the instructions accompanying this warranty. Any tempering of the product or attempts of self repair voids all warranty. This warranty does not cover any damage due to accident, misuse, abuse, or negligence. This warranty is valid only if the product was purchased new from an authorized Phonic dealer/distributor. For complete warranty policy information, please visit http://www.phonic.com.

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